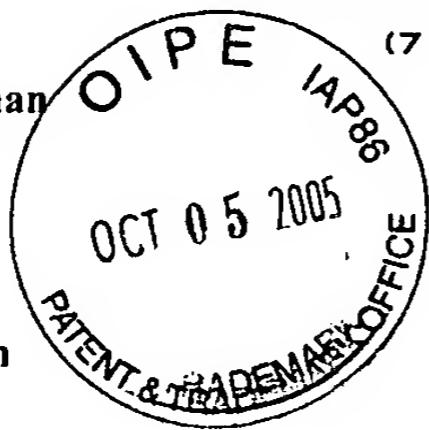


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October 3, 2005

File: 2100.023100

## CUSTOMER NO. 046290

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### CERTIFICATE OF MAILING 37 CFR 1.8

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Sherry Graham  
Signature

RE: *U.S. Patent Application Entitled: Method of Control Signaling in Wireless Communications*

*Jung-Tao Liu  
(2100.023100/J. LIU 23*

Sir:

Transmitted herewith for filing are:

- (1) Revocation of Power of Attorney with New Power of Attorney and Change of Correspondence Address;
- (2) Assignment & Assignment Recordation Coversheet;
- (3) Check;
- (4) Patent postcard

All correspondence, notices, official letters and other communications should be directed to Customer No. 046290, and all telephone calls should be directed to Sanjeev K. Singh at (713) 934-4089.

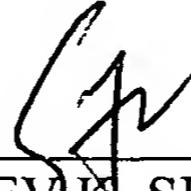
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Page 2

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Respectfully submitted,

**WILLIAMS, MORGAN & AMERSON, P.C.**  
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AGENT FOR APPLICANT

SKS/sl<sup>g</sup>  
Enclosures



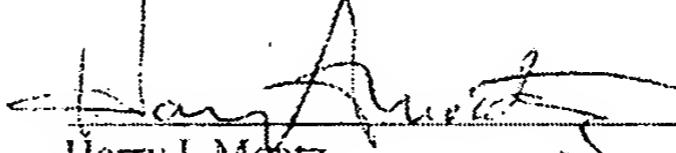
**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATE PATENT AND TRADEMARK OFFICE**

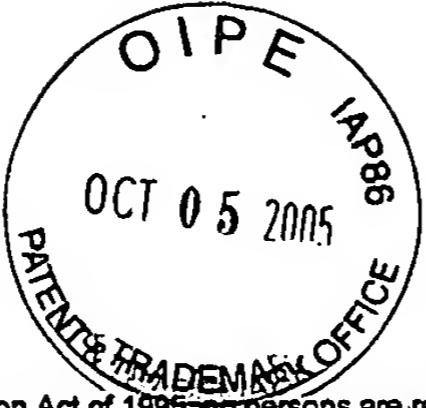
**LIMITED RECOGNITION UNDER 37 CFR § 11.9(b)**

Dr. Sanjeev Kumar Singh is hereby given limited recognition under 37 CFR §11.9(b) as an employee of Williams, Morgan & Amerson, P.C., to prepare and prosecute patent applications for clients of Williams, Morgan & Amerson, P.C. in which a member of Williams, Morgan & Amerson, P.C., is the attorney of record. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Dr. Sanjeev Kumar Singh ceases to lawfully reside in the United States, (ii) Dr. Sanjeev Kumar Singh's employment with Williams, Morgan & Amerson, P.C. ceases or is terminated, or (iii) Dr. Sanjeev Kumar Singh ceases to remain or reside in the United States on an H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Limited Recognition No. L0220  
Expires: April 14, 2006

  
\_\_\_\_\_  
Harry I. Moatz  
Director of Enrollment and Discipline



PTO/SB/82 (04-05)

Approved for use through 11/30/2005. OMB 0651-0035

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**REVOCATION OF POWER OF  
ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	10/649,088
Filing Date	August 26, 2003
First Named Inventor	Jung-Tao Liu
Art Unit	2681
Examiner Name	unknown
Attorney Docket Number	2100.023100/J. Liu.23

I hereby revoke all previous powers of attorney given in the above-identified application.

A Power of Attorney is submitted herewith.

OR

I hereby appoint the practitioners associated with the Customer Number:

046290

Please change the correspondence address for the above-identified application to:

The address associated with  
Customer Number:

046290

OR

Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Signature

Name

Gregory J. Murgia

Date

9/23/05

Telephone

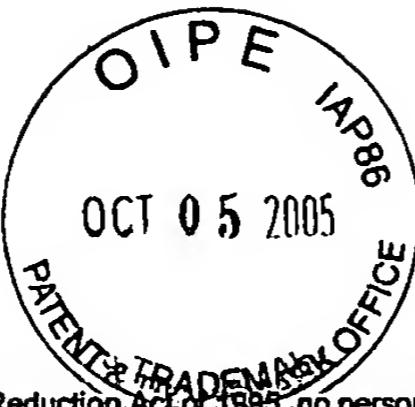
732 949 2578

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of 4 forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: JUNG-TAO LIUApplication No./Patent No.: 10/649,088 Filed/Issue Date: August 26, 2003Entitled: **METHOD OF CONTROL SIGNALING IN WIRELESS COMMUNICATIONS**Lucent Technologies, Inc., a CORPORATION  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below.

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
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3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

Gregory J. Mumia

Printed or Typed Name

Corporate Counsel

Title

9/23/05

Date

732 949 3578

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Case Name and No. Liu 23

## ASSIGNMENT AND AGREEMENT

For value received, I, **Jung-Tao Liu of Madison** in the County of Morris and State of NJ, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHOD OF CONTROL SIGNALING IN WIRELESS COMMUNICATION** described in an application for Letters Patent of the United States, filed on August 26, 2003 and identified by Serial No. 10/649,088, executed by me of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

Case Name and No. Liu 23

2

I agree that, when requested, I shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

  
\_\_\_\_\_  
[Jung-Tao Liu]Date: 1/20/2004

United States of America )

State of New Jersey ) New Jersey) ss.:

County of Morris ) Morris)

On this 20<sup>th</sup> day of January, 2004, before me personally came **Jung-Tao Liu**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
\_\_\_\_\_  
Nancy G. Vuono  
Notary Public

NANCY G. VUONO  
NOTARY PUBLIC OF NEW JERSEY  
ID # 2295352  
My Commission Expires Dec. 28, 2007

Lucent Technologies Inc.  
Docket Administrator (Room 3J-219)  
101 Crawfords Corner Road  
P. O. Box 3030  
Holmdel, New Jersey 07733-3030